

20 PHENCYCLIDINE (PCP) AND ANALOG METHODOLOGY	Page 1 of 1
<div>Division of Forensic Science</div> <div>CONTROLLED SUBSTANCES PROCEDURES MANUAL</div>	Amendment Designator:
	Effective Date: 9-December-2003
<div>20 PHENCYCLIDINE (PCP) AND ANALOG METHODOLOGY</div> <p>20.1 Brief Pharmacology: PCP is classified as a dissociative anesthetic. PCP is used as an animal tranquilizer. It is sometimes called angel dust, crystal, or hog, and known as boat or loveboat when placed on marijuana.</p> <p>20.2 Scheduling:</p> <ul style="list-style-type: none"> • Schedule I - TCP - thienylcyclohexylpiperidine (thiophene analog of PCP) • Schedule I - PHP - 1-(1-phenylcyclohexyl) pyrrolidine (pyrrolidine analog of PCP) • Schedule I - PPP - 1-(-phenylcyclopentyl) piperidine • Schedule I - PCE - N-(1-phenylcyclohexyl) ethylamine (N-ethyl analog of PCP) • Schedule II – PCP - phencyclidine; 1-(1-phenylcyclohexyl) piperidine • Schedule II - PCC - 1-piperidinocyclohexane carbonitrile (precursor) <p>20.3 Extraction:</p> <p>20.3.1 May be extracted from basic or acidic aqueous solution with organic solvents.</p> <p>20.3.2 May be dry extracted with methanol or other organic solvents.</p> <p>20.3.3 Plant material samples may be extracted with a suitable solvent (e.g., hexane, methanol) and the extract de - colored by passing it through a pre-washed Pasteur pipette in which activated charcoal has been placed over a plug of glass wool. The resulting solution may be concentrated and used for further testing.</p> <p>20.4 Color Test Results:</p> <p>20.4.1 Co(SCN)_2 Results – blue</p> <p>20.5 TLC:</p> <p>20.5.1 Baths: TLC1, TLC2, TLC3, TLC4 and TLC5 are recommended.</p> <p>20.5.1.1 TLC1 is recommended for separating the PCP analogs.</p> <p>20.5.2 Detection methods:</p> <p>20.5.2.1 Does not show well under UV light due to weak quenching.</p> <p>20.5.2.2 Detection spray - iodoplatinate</p> <p>20.6 UV: PCP - triplet with max. at 262 nm in acid</p> <p>20.7 GC:</p> <p>20.7.1 Analogs can be separated by GC at appropriate temperatures. See GC file for conditions.</p> <p>20.8 FTIR: Basic extract often results in an oil which may be run as a smear between salt plates.</p> <p style="text-align: right;">♦ End</p>	